Remarks

Claims 131-200 are in the application. Claims 131, 148, 157, 167, 172, 177, and 180 are in independent form. Reconsideration is requested.

Restriction is required under 35 USC 121 between:

I. Original claims 11-22 and 32-58

II. Claims 66-80 and 119-130

III. Claims 81-119.

The Examiner states that claims 66-130 are distinct from the subject matter of original claims 11-22 and 32-58, which were elected in response to a restriction requirement dated April 6, 2007. Applicant elects original claims 11-22 and 32-58 of group I and submits herewith claims 131, 132, 135-142, 148-155, 157-165, and 167-171 with subject matter generally the same as the elected original claims. Remaining added claims 133, 134, 143-147, 156, and 166 depend from claims corresponding to the original elected claims, and claims 172-200 include independent and dependent claims that are included in the elected species.

In the June 29, 2007 Office action, claims 11, 13-15 and 32-58 were rejected under 35 USC 102(e) for anticipation by Tan (US Pat. No. 6,760,745), and claims 12 and 16-22 were rejected under 35 USC 103(a) for obviousness over Tan in view of Stewart et al. (US Pat Publ. No. 2004/0057075). Applicant responds as follows with reference to current claims 131-167.

The Examiner supports the rejection of claims 11, 13-15, and 32-58 with citation to Tan from col. 3, line 52 to col. 4, line 27, which is reproduced below:

> A method for operating a server is described along with a claim for a server according to one aspect of the invention. The server retrieves a document from a data storage device, typically resident on the server. The server executing a filtering routine generates a variable, comprising information necessary for another server to reproduce the document. The filter routine appends the variable to the document, and the server transmits the document through a network connection to a client computer.
>
> In variations of this aspect of the invention, the retrieved document is customized based on information provided by a requesting party to create a dynamically-generated document. Typically, the document is written in a markup

language such as HTML. The variable may comprise an entire copy of the data and information from the dynamically-generated document, preferably in a compressed and encrypted format.

A method for operating a server receiving the variable is also described. The server receives the variable, typically from a client computer that is requesting to establish an interactive session with another client computer. The server uses the variable to replicate the document associated with the information contained within the variable. The document is then transmitted to the other client computer.

In variations of this aspect of the invention, the server caches the replicated document before or after sending a copy to the other client computer. Additionally, the server may add applets to the replicated document to assist in the operation of the interactive session and transmit the applet-endowed document back to the client to replace the version of the document on the client computer without the applets.

A method of operating a client computer displaying a document containing the variable is also described according to another aspect of the invention. A dynamically-generated document is received from the server. The client renders the document on its display. The displayed document includes a hypertext link or icon that may be selected to transmit the variable to an associated server. In variations of this aspect of the invention, the selection of the icon or link may be in order to initiate an interactive session with another client or server computer.

Tan is directed to a system by which a customer service representative can concurrently view the same Web pages as a customer. The two parties can manipulate the concurrently viewed web pages, move from one page to another together, control each others navigation, markup the pages using a whiteboard feature, and chat with each other whether through IP telephony or through a text chat box. (Tan, col. 1, line 67 to col. 2, line 4.) The system is illustrated in Fig. 4 (reproduced below), which includes a pair of servers on which the concurrently viewed web page is replicated to be viewed and manipulated by both the customer and the customer service representative.
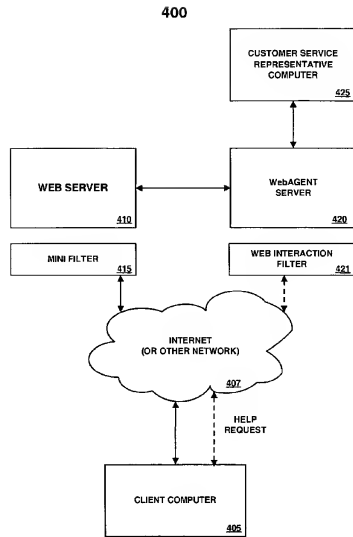
400

CUSTOMER SERVICE
REPRESENTATIVE
COMPUTER
425

WEB SERVER
410

WebAGENT
SERVER
420

MINI FILTER
415

WEB INTERACTION
FILTER
421

INTERNET
(OR OTHER NETWORK)
407

HELP
REQUEST

CLIENT COMPUTER
405

FIG. 4

Claim 131, which corresponds to original claim 11, recites a data output service system for rendering at an output device output content managed from a mobile information apparatus, the mobile information apparatus being distinct and separate from the output device, the system comprising:

means for delivering from the mobile information apparatus a document object and an output device object to a server application operated on a server over a network that is distinct from the information apparatus and the output device, the document object relating to the output content and the output device object having one or more attributes corresponding to the output device;

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means for generating at the server with the server application device dependent output data related to the output device for rendering the output content; and

means for delivering the output data to the output device for rendering the output content.

Applicant submits that Tan does not teach or suggest each of the elements recited in claim 131, which is therefore patentably distinct from Tan for the following reasons.

Claim 131 recites an output device on which is rendered output content managed from a mobile information apparatus. As recited in the claim, the mobile information apparatus and the output device are distinct and separate from each other. Tan does not teach or suggest an information apparatus and a separate distinct output device. Tan does describe a customer's client computer and a customer service representative's computer, neither of which is described as a mobile information apparatus. In addition, neither the customer's client computer nor the customer service representative's computer is described as being an output device that is distinct and separate from the computer itself.

Moreover, Tan cannot be interpreted such that one of the customer's client computer and the customer service representative's computer is an "output device" relative to the other, because Tan provides no teaching or suggestion of delivering to the servers an "output device object having one or more attributes corresponding to the output device," as recited in the claim. Nothing in Tan is directed to the attributes of the customer or the customer service representative computers. Tan describes providing customer or account information from a server, not an output device object having one or more attributes corresponding to an output device.

Tan does not teach or suggest means for generating device dependent output data related to the output device for rendering the output content. Also, Tan does not teach or suggest generating such device dependent output data at

the server or with a server application   Tan is directed to mirroring customer information to be viewed concurrently by a customer and a customer service representative. Following the teaching of Tan would lead one skill in the art to generate output data with attributes related to the content being displayed at the client's computer screen and not to the attributes related to the output device. Nothing in Tan teaches or suggests a server application that provides output data relating to an output device or that the output data is device dependent to the output device.

More specifically, even if one of the customer's computer or the client service representative's computer could possibly be an "output device" by the Examiner's interpretation of Tan, the servers in Tan do not provide output data related to the attributes of either of those computers. In mirroring the content provided on the customer computer and the client service representative computer, Tan is directed to providing outputs that are independent of the either such "output device." As described by Tan, the mirroring process is independent or unrelated to the "output device" being used.

For the foregoing reasons, applicant submits that claim 131 is patentably distinct from Tan.

Original independent claims 32, 41 and 52 were rejected for the same reasons as original claim 11. Applicant submits that current independent claims 148, 157, 167, 172, 177, and 180 are patentably distinct from Tan for the reasons set forth above with regard to claim 131.

In addition, independent claims 148, 157, 167, 172, 177, and 180 also recite generating output data accessible by a mobile information apparatus and generating output data according to attributes of a selected output device. Tan is directed to matching on two computers, a customer computer and a customer service representative computer, the information that is available from a server. Tan is not at all related to generating device dependent output data related to output content accessible by a mobile information apparatus, and Tan is not at all related to generating output data according to attributes of a selected output

device. The recitation of the mobile information apparatus in the claims further clarifies the distinction between such a mobile device and the customer service server in the system of Tan with which the content is mirrored in the customer service computer and the client's computer. Applicant submits, therefore, that independent claims 148, 157, 167, 172, 177, and 180 are additionally patentably distinct from Tan.

Moreover, claim 157 further recites"

establishing a communication channel between the mobile information apparatus and one or more output devices;

receiving at the mobile information apparatus over the communication channel one or more attributes corresponding to one or more output devices;

selecting at the mobile information apparatus one or more output devices for rendering the output content;

which substantially corresponds to the subject matter of original claims 42 and 43. The recitation of the communication channel between the mobile information apparatus and the one or more output devices further clarifies the distinction between the claimed subject matter and the system of Tan in which information is provided from a customer service server to a client's computer. Tan does not teach or suggest any manner of communication between a mobile information apparatus and an output device. Moreover Tan provides not teaching or suggestion of receiving at the mobile information apparatus over the communication channel one or more attributes corresponding to one or more output devices and selecting at the mobile information apparatus one or more output devices for rendering the output content. Accordingly, applicant submits that independent claim 157 is additionally patentably distinct from Tan.

Original dependent claims 13-15 were rejected with a citation only to Tan, col. 4, lines 3-27, which is reproduced above. Original dependent claims 33-40, 42-51, and 53-58, corresponding to current claims 144-151, 153-162, and 164-169, respectively, were rejected for the same reasons as original claims 13-15. As described above, however, applicants note that Tan describes only a

customer's computer or a customer service representative's computer that might be the claimed output device. Tan provides no teaching or suggestion that either computer includes means for delivering a document object and an output device object to a server or a server application. Tan also provides no teaching or suggestion means of delivering to an output device output data that are based on a document object and an output device object, as recited in various current claims. Rather, the replicated data provided by the server in Tan is directed to customer information stored on the server and is not related to an output device, as recited in the present claims.

With regard to the subject matter of original claims 12 and 16-22, the Examiner cites Stewart as disclosing means for obtaining payment information (original claim 12), a printer output device (original claim 16), an information apparatus that includes a portable computing device (original claim 17), automatically providing payment information (original claim 18), providing payment information in response to a prompt (original claim 19), payment information that includes information corresponding to a pre-arranged subscription (original claim 20), correlating subscriber information with a subscribed database (original claim 21), and authenticating permission for access to the data output service (original claim 22).

The Examiner states in the June 29, 2007 office action that it would have been obvious to one skilled in the art to apply the teachings of Stewart into those of Tan to make the system more "user friendly." Applicant submits that the Tan and Stewart et al. are directed to unrelated fields and that the combination of the references is improper.

More specifically, Tan is directed to a system by which customer service representative can concurrently view the same Web pages as a customer is viewing. The two parties can manipulate the concurrently viewed web pages, move from one page to another together, control each others navigation, markup the pages using a whiteboard feature, and chat with each other whether through IP telephony or through a text chat box. (Tan, col. 1, line 67 to col. 2, line 4.)

Nothing in Tan suggests a need for "user friendliness" to include obtaining payment features described in Stewart. Applicant submits that any suggestion for a need to include payment information, automatic payment information, subscriber payment information, or authentication in the customer service replicating system of Tan is based on improper hindsight from the teaching of applicant's patent application. Applicant submits, therefore, that the current claims are patentably distinct from the combination of Tan and Stewart et al.

Added independent claim 172 corresponds generally to the subject matter of claims 131 and 148 (original claims 11 and 32), and independent claim 177 corresponds to the subject matter of claim 157 (original claim 41), and claim 180 corresponds to the subject matter of claim 131. In particular, added claims 172 and 177 recite systems that correspond to method claims 148 and 157 in the same manner that claim 131 (original claim 11) of the elected species also recites a system corresponding to the method of claim 148 (original claim 32). Claim 180 recites a computer readable medium with software that performs the steps recited in claim 131. Applicant submits, therefore, that added claims 172, 177, and 180, and their respective dependent claims, fall with the elected species of the present application.

Applicant believes the application is in condition for consideration and respectfully requests the same.

IPSOLON LLP
111 SW COLUMBIA #710
PORTLAND, OREGON 97201
TEL. (503) 249-7066
FAX (503) 249-7068

Respectfully Submitted,

/Mark M. Meininger/

Mark M. Meininger
Registration No. 32,428